

Name _____

Measuring the Mass and Volume of Water

Lab 2.1

1. Write down the procedure for finding the mass of 50 mL of water.

2. Use Table 1 to record your data and calculations

Table 1: Calculating Mass

Volume of Water (cm ³)	Mass of Graduated Cylinder (g)	Mass of Graduated Cylinder and Water (g)	Mass of Water (g)	Mass of 1 cm ³ of Water (density in g/cm ³)
50				
25				

3. Does changing the volume of water change the mass of 1 cm³ of water?

4. Does changing the mass of water change the mass of 1 cm³ of water?

5. What is the density of water in grams per cubic centimeter?

6. Does changing the mass or volume of water change its density?